

ABSTRACT OF THE DISCLOSURE

An apparatus for controlling cooling of a gantry having a linear motor includes: a stator provided with a first temperature sensor, having a heat sink and a cooling fan at predetermined portions of an X-axis and an Y-axis linear motors; a mover provided with a second temperature sensor, having a heat sink installed on the upper surface of an X-axis and a Y-axis linear motors; an encoder for sensing a position and velocity of the mover; an encoder periphery sensor part for measuring surroundings (a temperature, a humidity and a pressure) of the encoder; an A/D converter for receiving a first and a second temperature signals and converting them from an analog signal to a digital signal and outputting the same; a controller for controlling a drive signal outputted from a mover driver unit to control the velocity of the Y-axis linear motor and the X-axis linear motor; a D/V converter for converting digital signals, that is, a cooling fan control signal and an air valve control signal to a plurality of drive signals, that is, analog signals; and a mover driver for providing the drive signal to a coil block.

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